

## DECLARATION FOR PATENT APPLICATION

Docket No. BHT-3199-4

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD OF USING BIPOLAR JUNCTION TRANSISTOR AS LOCAL OSCILLATOR IN A SATELLITE DOWN CONVERTER TO ELIMINATE SECOND AND THIRD HARMONIC INTERFERENCE BETWEEN LOCAL OSCILLATORS

(check one) ☒ is attached hereto. ☐ was filed on \_\_\_\_\_  
 Application Serial No. \_\_\_\_\_  
 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulation, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) |           |                        | Priority Claimed |    |
|------------------------------|-----------|------------------------|------------------|----|
| (Number)                     | (Country) | (Day/Month/Year Filed) | Yes              | No |
| (Number)                     | (Country) | (Day/Month/Year Filed) | Yes              | No |
| (Number)                     | (Country) | (Day/Month/Year Filed) | Yes              | No |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(f) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| (Application Serial No.) | (Filing Date) | (Status-patented, pending, abandoned) |
|--------------------------|---------------|---------------------------------------|
| (Application Serial No.) | (Filing Date) | (Status-patented, pending, abandoned) |

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

David E. Dougherty, Reg No. 19,576 and Bruce H. Troxell, Reg No. 26,592  
 Address all telephone calls to Bruce H. Troxell at telephone no. 703-575-2711  
 Address all correspondence to DOUGHERTY & TROXELL, 5205 Leesburg Pike, Suite 1404  
Falls Church, Virginia 22041

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor \_\_\_\_\_  
 X Inventor's signature CHEN MAO-JEN Date \_\_\_\_\_  
 Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
 Post Office Address 69, Tung-Yuan Rd., Chung-Li Industrial Park, Chung-Li City, Taoyuan  
Taiwan, R.O.C.  
 Full name of second joint inventor, if any \_\_\_\_\_  
 Second Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
 Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
 Post Office Address \_\_\_\_\_

(Supply similar information and signature for third and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT CLAIMING SMALL ENTITY STATUS**  
**(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN**

**Docket Number (Optional)**  
**BHT-3199-4**

Applicant, Patentee, or Identifier:

Application or patent No.:

Filed or Issued:

Title: **METHOD OF USING BIPOLAR JUNCTION TRANSISTOR AS LOCAL OSCILLATOR IN A SATELLITE DOWN CONVERTER TO ELIMINATE SECOND AND THIRD HARMONIC INTERFERENCE BETWEEN TWO LOCAL OSCILLATORS**

I hereby state that I am

- ☐ the owner of the small business concern identified below:  
☐ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN \_\_\_\_\_

ADDRESS OF SMALL BUSINESS CONCERN \_\_\_\_\_

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- ☐ the specification filed herewith with title as listed above.  
☐ the application identified above.  
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization having any rights in the invention is listed below:

- ☐ no such person, concern, or organization exists.  
☐ each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.38(b))

NAME OF PERSON SIGNING CHEN, Mao-Jen

TITLE OF PERSON IF OTHER THAN OWNER \_\_\_\_\_

ADDRESS OF PERSON SIGNING 69, Tung-Yuan Rd., Chung-Li Industrial Park, Chung-Li City, Taoyuan, Taiwan, R.O.C.

SIGNATURE CHEN, MAO-JEN DATE 8/6/2001